DENR USE ONLY: Paper Re NC DENR Division of Waste Managen	N DE SEPRENCIONE N	CD (data loaded: Yes / No)	Doc/Event Enviro	nmental Monitoring Reporting Form
Notice: This form and any information	ation attached to it are "Public Recor nation by any person upon request (ds" as defined in NC General	al Statute 132-1. As su	ch, these documents are
	mation by any person upon request (140 General Glatate 102-0).		
nstructions: Prepare one form for e	each individually monitored unit.			
Please type or print leg Attach a notification table	gibly. le with values that attain or exceed it	NC 2L groundwater standard	s or NC 2B surface wa	ater standards. The notification
must include a prelimina	ary analysis of the cause and signification	ance of each value. (e.g. nat	urally occurring, off-site	e source, pre-existing
condition, etc.). Attach a notification tabl	e of any groundwater or surface wat	er values that equal or excee	ed the reporting limits.	
 Attach a notification table facility (NCAC 13B .162) 	le of any methane gas values that a	ttain or exceed explosive gas	s levels. This includes	any structures on or nearby th
 Send the original signed 	d and sealed form, any tables, and E		o: Compliance Unit, N	CDENR-DWM, Solid Waste
Section, 1646 Mail Serv	ice Center, Raleigh, NC 27699-1646	i.		
Solid Waste Monitoring D				
lame of entity submitting data ((laboratory, consultant, facility ow	ner):		
Consultant - CDM Smith Inc.	,*			
Contact for questions about dat	a formatting. Include data prepar	er's name, telephone numb	er and E-mail addres	ss:
Name: Mathew F. Colone		Phone: 919-787-5620		
E-mail: colonemf@cdmsmith.com	m			
			NO. ISII D. I.	Astrologophy datas (a.e.
acility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Buncombe County Subtitle D		1107		July 29, 2014
andfill	87 Panther Branch Road Alexander, North Carolina		.1600	
				120
To star to a section of				30.10
Environmental Status: (Check a Initial/Background Monitori		Assessment	Monitoring	Corrective Action
Initial/Background Moniton	ing Detection Monitoring	Accessment	Monitoring	
Type of data submitted: (Check	all that apply)			
Groundwater monitoring d		Methane gas mor		
Leachate monitoring data		Other(specify)		
Surface water monitoring of	data			
Notification attached?	rface water standards were exceede	d		
Yes, a notification of value	es exceeding a groundwater or surfa	ce water standard is attache	d. It includes a list of	groundwater and surface water
preliminary analysis of the	nalytical values, NC 2L groundwater cause and significance of any conce	entration.		
Yes, a notification of value values and explosive meth	es exceeding an explosive methane	gas limit is attached. It inclu	ides the methane mor	itoring points, dates, sample
values and explosive meth	actio gao infino.	The state of the s		телинда киевскировари за въздания (<u>е да</u> лажива).
Certification				

levels, and a preliminary analysis of are significant penalties for making	f the cause and significan	ce of concentrations	exceeding groundwater standards. I am aware that there tion including the possibility of a fine and imprisonment.
Mathew F. Colone	Consultant		(919) 787-5620
Facility Representative Name (Print)	Title		(Area Code) Telephone Number
Math the		9/9/2014	Affix NC Licensed Professional Geologist Seal
Signature	i i	Date	
5400 Glenwood Ave, Suite 400, Raleig	h, NC 27612		MSEAL Y
Facility Representative Address	s a :		1851
F-0412	0		
NC PE Firm License Number (if applica	able effective May 1, 2009)		THE CONTRACTOR

Davised 6/2000



5400 Glenwood Avenue, Suite 400 Raleigh. North Carolina 27612

tel: 919 325-3500 fax: 919 781-5730

September 9, 2014

Ms. Jaclynne Drummond
North Carolina Department of Environment and
Natural Resources
Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Subject: MW-3R Installation and Initial Sampling Report

Buncombe County Subtitle D Landfill

Permit # 11-07

Dear Ms. Drummond:

The purpose of this letter is to notify the Solid Waste Section (SWS) that monitoring well MW-3R has been installed downgradient of existing monitoring well MW-3 at the Buncombe County Subtitle D Landfill. Following installation, initial water quality samples were collected from the new well.

Previous semi-annual groundwater sampling events at the landfill indicated that results from MW-3 above the North Carolina 2L Groundwater Standard (NC2L) for vinyl chloride. Subsequent assessment monitoring confirmed the presence of vinyl chloride and methane gas within MW-3. Methane gas was also detected in MW-7. In April 2013, a landfill gas delineation study was implemented which included 14 borings and 3 temporary landfill gas (LFG) monitoring wells. Assessment monitoring indicated that LFG was still migrating from the landfill and vinyl chloride, along with benzene, was still present in MW-3 above the NC2L Groundwater Standard.

In order to address compliance issues with MW-3 due to benzene and vinyl chloride exceedences, Buncombe County requested relocation of the well. In a letter dated June 16, 2014, the SWS approved the request by the County to relocate monitoring well MW-3 at an increased distance from the edge of waste.

Well Installation and Sampling

Reuben Caldwell Drilling, Inc. installed well MW-3R on July 28, 2014 under supervision of a CDM Smith geologist. The well was installed with a truck-mounted rig utilizing air rotary drilling methods. Per the SWS request, existing well MW-3 was not abandoned.

The well is constructed of 2-inch schedule 40 PVC and 15-feet of 0.010-inch slotted screen. A well construction summary table for the new well along with construction information for the existing wells at the landfill is presented on **Table 1**. Well construction diagrams and the driller's well construction records (Form GW-1b) are attached. Following installation, the well was developed and completed with



Ms. Jaclynne Drummond September 9, 2014 Page 2

a locking, above-grade, protective cover and 3-feet diameter by 6-inch concrete pad. The new well was surveyed to State Plane Coordinates by a North Carolina registered surveyor. Well location is provided on **Figure 1**.

Sampling Methodology

Groundwater samples were collected from the well on July 29, 2014 and submitted to Pace Analytical, Inc. in Asheville, North Carolina for analysis of the North Carolina Appendix I VOC's by EPA Method 8260, and Appendix I metals by EPA Method 6010. A copy of the lab data is attached. Copies of the data in the Solid Waste Section Electronic Data Deliverable format along with a signed Environmental Monitoring Report form will be forwarded to the Compliance Unit as well.

During sampling, the well was purged dry and allowed to recover prior to sampling. Field parameters including pH, conductivity, temperature, turbidity, dissolved oxygen, and oxidation/reduction potential were measured and recorded prior at the time of sample collection. Field parameters measured at sample collection time are provided on **Table 2**.

Sampling Results

All VOCs in well MW-3R were below detection limits. MW-3R had several metals detections including: Antimony, barium, chromium, cobalt, copper, nickel, and vanadium. All of the metals detected were reported as "J" values with the exception of barium and vanadium. The detections of antimony, cobalt, and vanadium exceeded their respective Groundwater Protection Standards. The detected metals and concentrations are similar to historic background concentrations at the site and are likely naturally occurring. A summary of the initial sampling results for MW-3R is provided on **Table 3**. Copies of the July 29, 2014 laboratory data are attached.

MW-3R will continue to be monitored as part of Water Quality Monitoring Network for the site. Because no Appendix I VOC was detected in the initial samples, the County requests that only Appendix I parameters be analyzed for future semi-annual monitoring events at MW-3R. If you have any questions or need additional information, please call me at (919) 325-3569 or email to colonemf@cdmsmith.com.

Very truly yours,

Mathew F. Colone, P.G. CDM Smith, Inc.

Matter Holon

cc: Jon Creighton, Buncombe County David Brigman, Buncombe County Kristy Smith, Buncombe County Chris Gabel, CDM Smith

Table 1 Monitoring Well Construction Summary Buncombe County Subtitle D Landfill MW-3R Installation and Initial Sampling Report

							Depths	(feet bls)				Elevation	(feet AMSL)
Piezometer I.D.	Construction Date	Top of Casing Elevation (feet AMSL)	Ground Elevation (feet AMSL)	Screen Interval Lithology	Drilling Method	Borehole Depth	Screen Interval	Top of Sand Filter	Top of Bentonite Seal	Borehole Diameter (inches)	Casing Diameter (inches)	Top of Screen Interval	Bottom of Screen Interval
				:	Subtitle D Lan	ndfill Monitori	ng Wells						
MW-1	1990'S	2021.22	2019.28	Saprolite/PWR	Air	76	61-76	59	57	8	2	1958.28	1943.28
MW-1d	1990'S	2021.57	2019.97	Bedrock	Air	200	85-95	81	78	8	2	1934.97	1924.97
MW-2	1990'S	1920.86	1918.54	Saprolite/PWR	Air	20	5-20	3	1	8	2	1913.54	1898.54
MW-2d	1990'S	1920.51	1918.63	Bedrock	Air	55	45-55	42	39	8	2	1873.63	1863.63
MW-3	1990'S	1987.66	1985.48	Saprolite/PWR	Air	38	23-38	21	18.5	8	2	1962.48	1947.48
MW-3R	7/28/2014	1973.18	1970.67	PWR	Air	55	40-55	38	35	8	2	1930.67	1915.67
MW-4	1990'S	1944.35	1942.48	Saprolite/PWR	Air	25	9-24	7	5	8	2	1933.48	1918.48
MW-4d	1990'S	1944.64	1942.79	Bedrock	Air	55	45-55	43	40	8	2	1897.79	1887.79
MW-5	1990'S	1977.12	1975.39	Saprolite/PWR	Air	50	35-50	33	31	8	2	1940.39	1925.39
MW-5d	1990'S	1976.92	1975.31	Bedrock	Air	81	71-81	68.5	66.5	8	2	1904.31	1894.31
MW-6	1990'S	1987.34	1985.39	Saprolite/PWR	Air	50	35-50	27	24.5	8	2	1950.39	1935.39
MW-7	1990'S	2022.83	2020.72	Saprolite/PWR	Air	61	42-57	40	38	8	2	1978.72	1963.72
MW-8	1990'S	1962.06	1959.85	Saprolite/PWR	Air	70	55-70	53	51	8	2	1904.85	1889.85
MW-8d	1990'S	1962.47	1960.57	Bedrock	Air	95	85-95	82.5	79	8	2	1875.57	1865.57
MW-10	3/6/2002	2010.54	2007.5	Saprolite/PWR	Air	73	58-73	56	54	6	2	1949.50	1934.50
MW-10d	3/6/2002	2010.56	2007.5	Bedrock	Air	117	102-117	100	98	6	2	1905.50	1890.50
MW-11	3/5/2002	1966.71	1963.7	Bedrock	Air	50	35-50	33	31	6	2	1928.70	1913.70
MW-11d	3/5/2002	1966.15	1963.2	Bedrock	Air	70	60-70	58	56	6	2	1903.20	1893.20
MW-13	6/24/2012	1953.92	1951.3	Bedrock	Air	16	6-16	4	2	6	2	1945.30	1935.30
MW-13d	6/23/2005	1953.82	1951.4	Bedrock	Air	44	39-44	37	35	6	2	1912.40	1907.40
MW-13	6/24/2012	1953.92	1951.3	Bedrock	Air	16	6-16	4	2	6	2	1945.30	1935.30
MW-13d	6/23/2005	1953.82	1951.4	Bedrock	Air	44	39-44	37	35	6	2	1912.40	1907.40
					C&D Landf	ill Monitoring	Wells						
MW-9	1990'S	1966.54	1963.70	Bedrock	HSA/Core	26	11-26	8	6	6	2	1952.70	1937.70
MW-9d	1990'S	1966.34	1963.70	Bedrock	HSA/Core	40	35-40	32	29	6	2	1928.70	1923.70
MW-12	6/25/2002	1947.39	1944.7	Saprolite/PWR/ Bedrock	Air	17	7-17	5	3	6	2	1937.70	1927.70
MW-12d	6/25/2002	1947.1	1944.3	Bedrock	Air	37	27-37	25	23	6	2	1917.30	1907.30
MW-14	4/5/2006	1952.77	1949.8	Bedrock	Air	49	39-49	36	33	6	2	1910.80	1900.80
MW-14d	4/6/2006	1953.76	1950.7	Bedrock	Air	88	78-88	74	71	6	2	1872.70	1862.70
MW-15	6/27/2012	1973.29	1970.21	Saprolite/PWR	Air	26	16-26	14	12	6	2	1954.21	1944.21
MW-15d	6/27/2012	1973.51	1970.25	Bedrock	Air	43	33-43	31	27	6	2	1937.25	1927.25

	Proposed Monitoring Wells									
	Drilling Screen Interval									
Nest	Well	Method	Depth (feet) **	Rationale						
MW-16	MW-16	HSA	10-20	Downgradient of Cell 7 sump within drainage feature; screened in saprolite or PWR or PWR/bedrock contact						
	MW-16d Air Rotary 30-45 Downgradient of Cell 7 sump within drainage feature; screened interval at PWR/bedrock contact or first conductive bedrock fracture									

Notes:

- ** screen intervals represent anticipated depths.
- 1. AMSL Above Mean Sea Level
- 2. PWR Partially Weathered Rock
- 3. bls Below Land Surface
- 4. HSA Hollow-Stem Auger
- 5. Bold Piezometers installed during the Cell 7 design hydrogeologic investigation.
- 6. Italic Abandoned piezometers/monitoring wells
- 7. Monitoring wells MW-9/9d were abandoned to accomodate the Phase I and II C&D Landfill expansions.
- 8. (cd) C&D Landfill monitoring wells
- 9. Horizontal Control NAD 83
- 10. Vertical Control NAVD 29 and 88



Table 2 Groundwater Sampling Field Parameters Buncombe County Subtitle D Landfill MW-3R Installation and Initial Sampling Report

								Final Field I	Parameter	S	
Well #	TOC Elevation	Ground Elevation	Sample	Depth to Water (ft btoc)	Groundwater	Hd	Temperature (C)	Conductivity (us/cm)	D.O. (mg/l)	Turbidity	ORP (mv)
MW-3R	1973.18	1970.67	7/29/2014	56.1	1917.08	5.63	14.22	166	2.54	53	151

All field parameters were measured using a YSI 556 multiparameter probe.

NM - Not Measured



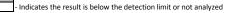
Table 3 Groundwater Sampling Detected Metals Summary Buncombe County Subtitle D Landfill MW-3R Installation and Initial Sampling Report

Facility Permit Number	Monitoring Well Code	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
North Caro	lina 2L or Groundwa Standard	ater Protection	1*	10	700	4*	2	10	1*	1,000	15	100	20	20	0.2*	0.3*	1,000
S	olid Waste Section	Limit	6	10	100	1	1	10	10	10	10	50	10	10	5.5	25	10
11-07	MW-3R	29-Jul-14	2.7J	<2.7	116	<0.5	<0.5	3.3J	3.2J	2.7J	<4.0	4.6J	<5.0	<2.5	<5.0	6.8J	<5.0

Notes:

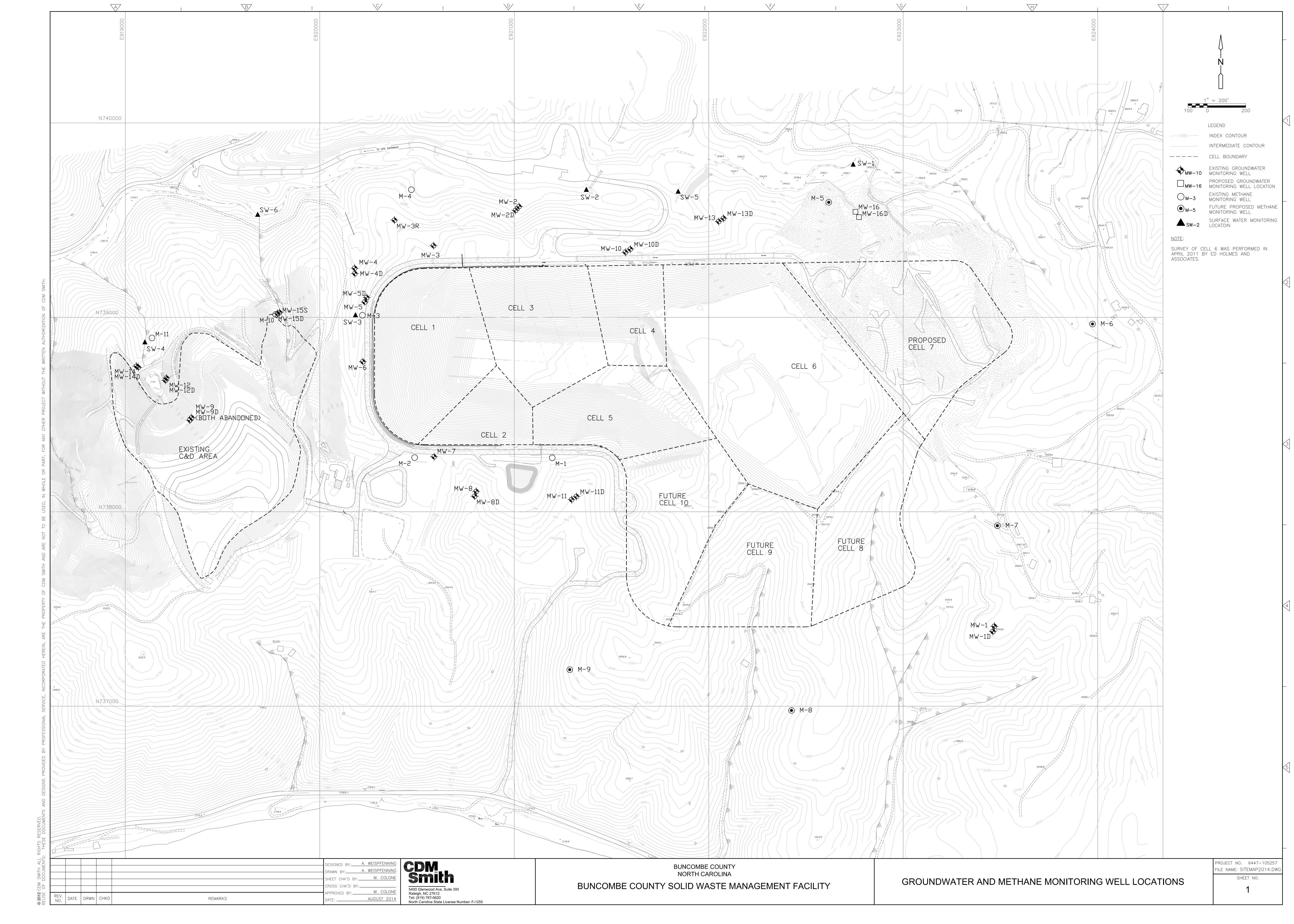
- 1. All units are in micrograms per liter (parts per billion).
- 2. * Groundwater Protection Standard
- 3. NE Standard Not Established; dup Duplicate Sample
- 4. J Indicates the analytical result is an estimated concentration between the method detection limit and the Solid Waste Section Reporting Limit.

 Concentration exceeds the North Carolina 2L or Groundwater Protection Standard





Page 1 of 1 Table 3.xlsx





	GEOLOGIC	LOG					
Project:	Monitoring Well Replacement	Driller:	Caldwell Drilling	1			
Logged By:		Start Date:	7/28/2014	1			
Boring ID:	MW-3R	End Date:	7/28/2014		Wel		
Method:	Air Rotary and Hammer	Well Diameter:	2 in.			ction	
Location:	Subtitle D Landfill	Total Depth:	55 ft	Di	agra	am	
Depth (ft)	Sample De	escriptions					
1							
2							
3							
4							
5	aw a .						
6	Silty Sand,	dark brown.					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17						+	
18	Silty Sand, dark	brown and gray.		Grout		Grout	
19				G	e	G	
20					Ris		
21					2" PVC Riser		
22					Q		
					2		
23							
24							
25							
26							
27							
28							
29							
30							
31	Sand, some silt, ligi	nt gray. Soft drilling.					
32							
33							
34							
35							
36				ıite		nite	
37		Bentonite		Bentonite			
38	Sand, some silt, light gra	e silt, light gray. Hard drilling. Boulder					
39							
40							

	GEOLOGIC						
Project:	Monitoring Well Replacement	Driller:	Caldwell Drilling				
Logged By		Start Date:	7/28/2014				
Boring ID:	MW-3R	End Date:	7/28/2014		Wel		
Method:	Air Rotary and Hammer	Well Diameter:	2 in.			truction	
Location:	Subtitle Ď Landfill	Total Depth:	55 ft	Di	agra	am	
Depth (ft)	Sample	Descriptions					
41							
43							
44							
45							
46				쏤	L.	ack	
47	Sand, some silt, gray/brown	, damp. Partially weath	nered rock.	Sand Pack	2" PVC Screen	Sand Pack	
48				San	S	San	
49				0)	PV	0)	
50					2"		
51							
52							
53							
54	Bedrock	very fractured.					
55	2001001.,	vory muoturou.					
56							
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58							
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WELL CONSTRUCTION I This form can be used for single or multiple we	RECORD	Fer I	nternal	Use ON	LY:			· · · · · · · · · · · · · · · · · · ·	······································			
1. Well Contractor Information:	MAS											
Billy Nash		14.	WATE	R ZON	ES			· · · · · · · · · · · · · · · · · · ·				
Well Contractor Name		FRC		TO	ft.	DESCRIPT	TON					
2771-A		53	ft.	55	ft			Wa	ater Tat	oie	 .	
NC Well Contractor Certification Number		15.4		CAST		multi-cased	aralia) d	W 7 TH	PT 410	** ** *		
Reuben Caldwell Drilling, Inc.		FRC	FEV.	TO		DIAMETE	R I	THICK	NESS		RIAL	
Company Name		-	ft.		ſt.		in.	.,,.		<u> </u>		
, ,	•	FRO	M	TO	GUR	TUBING (gen	therm:	al closed THICK	l-leop) NESS	MATI	RIAL	
2. Well Construction Permit #:	te, Variance, Injection, etc.)		fil.		ſt.		in,					
3. Well Use (check well use):		-	fi.		ft.	<u></u>	in.					
Water Supply Well:		17. FRO	M	TO		DIAMETER	SLOT	SIZE	тніск	NESS	MATERIAL	
□Agricultural	□Municipal/Public	40	ft.	5 5	ft. 2	in,		010	Sch		PVC	
☐Geothermal (Heating/Cooling Supply)	☐Residential Water Supply (single)		ft.		ft.	ia.			-			
□Industrial/Commercial	☐Residential Water Supply (shared)	18. (FRO	SROU?	To		MATERIAL	· · · · · · · · · · · · · · · · · · ·	778.000				
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Monitoring	□Recovery		ft.	1	ñ.			- 55				
Injection Well:		╢	ft.		ft.						·	
□Aquifer Recharge	☐Groundwater Remediation	19. S	AND/	RAVE	L PACI	(if applicab	le)	·				
□ Aquifer Storage and Recovery	☐Salinity Bartier	38	ft.	<u>то</u> 55	ft.	#2 Silic		nd	EMPLAC		METHOD	
□ Aquifer Test	☐Stornwater Drainage	-	ft.		fL	. WE OHIO	a va	110		po	ur	
☐Experimental Technology ☐Geothermal (Closed Loop)	OSubsidence Control	20. D	RILLI	NG LO	G (atta	i h additional	sheets	If neces	(arv)			
☐Geothermal (Heating/Cooling Return)	OTracer	FRO	ft.	TO	LE.	DESCRIPTI	ON (col	or, kardı	urss, spil/ro		(rain size, etc.)	
	Other (explain under #21 Remarks)	10	ft,	10	ft,	<u> </u>			wn silty			
4. Date Well(s) Completed: July 28, 20	14 _{Well ID#_} MW-3R	10	n.	25	ft.	dark	brow				ty sand	
5a. Well Location:		25		35				gray	silty sa	nd	. VI.II	
Buncombe County	1107-MSWLF-1996	35	ft,	40	ft.			b	oulder			
Facility/Owner Name	Facility ID# (if applicable)	40	R.	53	ft.	g	ray/b	rown	silty sa	nd - P	WR	
85 Panther Branch Road; Alex	ander, NC	53	ft.	55	ft.		- · · · .	be	edrock			
Physical Address, City, and Zip		21 Ta	ft. EMAR	ve	ft.							
Buncombe		24. R	·	<u>v9</u>								
County	Parcel Identification No. (PIN)				•							
5b. Latitude and Longitude in degrees/m	inutes/seconds or decimal degrees:	22. C€	wel Car	.43								
(if well field, one lat/long is sufficient)		44. (~			0					land.	
N	w	<i></i>	بالر		ريف	1 cas	h)		7/	30/14	
6. Is (are) the well(s): @Permanent or	Temporary	_			Well Co					Date		
	• •	By sign with 15	ing this A NCA	: form, . C 02C .	l hereby 0100 or	certify that to ISA NCAC 0.	ke well 201-020	(s) was O West i	(were) co. Constructi	nstructe.	d in accordance lurds and that a	
7. Is this a repair to an existing well: If this is a repair, fill out known well construction	□Ves or □No information and embain the papers of the	copy of	tais rec	ord has	been pr	ovided to the	well ow	vier.		OI LOUIN	iaius ana bitti ti	
repair under #21 remarks section or on the back (of this form.	23. Sit	t diag	ram o	additi	onal well de	etails:					
8. Number of wells constructed: 1		constr	ay use action	details.	иск од 1 Уоц п	tus page to nay also atta	provid ch add	le addi: litional	ional we naces if:	ll site i necessi	details or well	
For multiple injection or non-water supply wells (submit one form.	ONLY with the same construction, you can				TUCTI				4 -D 14 1		···•	
7. Total well depth below land surface:	55 <u>". </u>	,										
Far multiple wells list all depths if different (exam	ple-3@200' and 2@108') ((t.)	constru	ction !	o the f	g: Sur ollowin	omet leis io: g:	m wii	101n 30	days of	comp	ction of well	
it. Static water level below top of casing:	55 (ft.)					-	ac Ini	laumat	ina Dana		TY!d	
f water level is above casing, we "4"	(ic.)			1617	Mail S	ter Resourc ervice Centa	er, Rai	leigh, P	ius Proc IC 27699	casing 3-1617	unii,	
11. Borchole diameter: 6	_ (in.)	24b. <u>F</u>	or Inj	ection	Wells •	ONLY: In	additio	on to se	ading th	e form	to the address	
2. Well construction method: Air Rote	_ ` `	24a abo	ove, al	so sub	mit a 🕫	copy of this	form	within	30 day	s of co	mpletion of w	
i.c. auger, rotary, cable, direct push, etc.)		constru				-						
FOR WATER SUPPLY WELLS ONLY:		Di	vision	of Wa	ter Res	sources, Un ervice Cente	dergre	ound In	rjection (Contro	l Program,	
		24a E-	11 7					ega, N	C 27699	r-i 0.36		
3a. Yield (gpm) M	lethod of test:	Also si	s vyat abmît	one co	prof	injection W this form w	ells: zithin	30 đạu	s of cam	nietian	of	
3b. Disinfection type:	_ Атониt:	well co	nstruc	tion to	the co	unty health	depar	tment	of the co	onuth A	here	

MW-3R Laboratory Report

July 29, 2014 Sampling Event





August 25, 2014

Mr. Dan Forbes CDM 5400 Glenwood Ave Suite 300 Raleigh, NC 27612

RE: Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Dear Mr. Forbes:

Enclosed are the analytical results for sample(s) received by the laboratory on July 29, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Revised Report: Report was revised to report results down to MDL

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

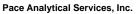
Chris Derouen

christopher.derouen@pacelabs.com

Project Manager

Enclosures





Pace Analytical www.pacelabs.com

2225 Riverside Dr. Asheville, NC 28804 (828)254-7176

CERTIFICATIONS

Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078 North Carolina Drinking Water Certification #: 37706 North Carolina Field Services Certification #: 5342 North Carolina Wastewater Certification #: 12 South Carolina Certification #: 99006001 Florida/NELAP Certification #: E87627 Kentucky UST Certification #: 84 West Virginia Certification #: 357 Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804 Florida/NELAP Certification #: E87648 Massachusetts Certification #: M-NC030

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40 South Carolina Certification #: 99030001 West Virginia Certification #: 356 Virginia/VELAP Certification #: 460222





SAMPLE SUMMARY

Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92211157001	MW-3R	Water	07/29/14 10:00	07/29/14 11:30
92211157002	TRIP BLANK	Water	07/29/14 00:00	07/29/14 11:30





SAMPLE ANALYTE COUNT

Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92211157001	MW-3R	EPA 6010	JMW	15	PASI-A
		EPA 8260	GAW	63	PASI-C
92211157002	TRIP BLANK	EPA 8260	GAW	63	PASI-C
		EPA 8260	GAW	71	PASI-C



Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

trans-1,2-Dichloroethene

Date: 08/25/2014 03:55 PM

1,2-Dichloropropane

Sample: MW-3R Lab ID: 92211157001 Collected: 07/29/14 10:00 Received: 07/29/14 11:30 Matrix: Water Results Units POL MDI DF CAS No. **Parameters** Prepared Analyzed Qual Analytical Method: EPA 6010 Preparation Method: EPA 3010 **6010 MET ICP** 5.0 2.6 07/30/14 15:25 07/31/14 03:52 7440-36-0 Antimony 2.7J ug/L Arsenic <2.7 ug/L 10.0 2.7 1 07/30/14 15:25 07/31/14 03:52 7440-38-2 Barium 116 ug/L 5.0 2.5 1 07/30/14 15:25 07/31/14 03:52 7440-39-3 Bervllium <0.50 ug/L 0.50 07/30/14 15:25 07/31/14 03:52 7440-41-7 1.0 1 07/30/14 15:25 07/31/14 03:52 7440-43-9 Cadmium <0.50 ug/L 0.50 1.0 1 2 0 07/31/14 03:52 7440-47-3 Chromium 3.3J ug/L 5.0 07/30/14 15:25 1 2.0 Cobalt 3.2J ug/L 5.0 1 07/30/14 15:25 07/31/14 03:52 7440-48-4 Copper 2.7J ug/L 5.0 2.0 1 07/30/14 15:25 07/31/14 03:52 7440-50-8 Lead <4.0 ug/L 5.0 4.0 1 07/30/14 15:25 07/31/14 03:52 7439-92-1 Nickel 4.6J ug/L 5.0 2.5 1 07/30/14 15:25 07/31/14 03:52 7440-02-0 <5.0 ug/L 10.0 5.0 07/30/14 15:25 07/31/14 03:52 7782-49-2 Selenium 1 Silver <2.5 ug/L 5.0 2.5 1 07/30/14 15:25 07/31/14 03:52 7440-22-4 Thallium <5.0 ug/L 10.0 5.0 1 07/30/14 15:25 07/31/14 03:52 7440-28-0 Vanadium 6.8 ua/L 5.0 2.5 1 07/30/14 15:25 07/31/14 03:52 7440-62-2 5.0 1 07/30/14 15:25 07/31/14 03:52 7440-66-6 Zinc <5.0 ug/L 10.0 8260 MSV Low Level Landfill Analytical Method: EPA 8260 Acetone <10.0 ua/L 25.0 10.0 1 08/07/14 00:59 67-64-1 <0.25 ug/L 0.25 08/07/14 00:59 71-43-2 **Benzene** 1.0 1 Bromobenzene <0.30 ug/L 0.30 08/07/14 00:59 108-86-1 1.0 1 Bromochloromethane <0.17 ug/L 1.0 0.17 1 08/07/14 00:59 74-97-5 Bromodichloromethane <0.18 ug/L 1.0 0.18 1 08/07/14 00:59 75-27-4 <0.26 ug/L **Bromoform** 1.0 0.26 1 08/07/14 00:59 75-25-2 Bromomethane <0.29 ug/L 2.0 0.29 1 08/07/14 00:59 74-83-9 2-Butanone (MEK) <0.96 ug/L 5.0 0.96 78-93-3 1 08/07/14 00:59 <0.25 ug/L 0.25 Carbon tetrachloride 1.0 1 08/07/14 00:59 56-23-5 Chlorobenzene <0.23 ug/L 0.23 1.0 1 08/07/14 00:59 108-90-7 Chloroethane <0.54 ug/L 1.0 0.54 1 08/07/14 00:59 75-00-3 Chloroform <0.14 ug/L 1.0 0.14 1 08/07/14 00:59 67-66-3 <0.11 ug/L 0.11 Chloromethane 1.0 1 08/07/14 00:59 74-87-3 <0.35 ug/L 0.35 2-Chlorotoluene 1.0 1 08/07/14 00:59 95-49-8 <0.31 ug/L 0.31 4-Chlorotoluene 1.0 1 08/07/14 00:59 106-43-4 1,2-Dibromo-3-chloropropane <2.0 ug/L 2.0 2.0 08/07/14 00:59 96-12-8 1 Dibromochloromethane <0.21 ug/L 1.0 0.21 1 08/07/14 00:59 124-48-1 1,2-Dibromoethane (EDB) <0.27 ug/L 1.0 0.27 1 08/07/14 00:59 106-93-4 <0.21 ug/L 0.21 08/07/14 00:59 74-95-3 Dibromomethane 1.0 1 1,2-Dichlorobenzene <0.30 ug/L 1.0 0.30 1 08/07/14 00:59 95-50-1 0.24 1,3-Dichlorobenzene <0.24 ug/L 1.0 1 08/07/14 00:59 541-73-1 1,4-Dichlorobenzene <0.33 ug/L 1.0 0.33 1 08/07/14 00:59 106-46-7 <0.21 ug/L 1.0 0.21 08/07/14 00:59 75-71-8 Dichlorodifluoromethane 1 0.32 08/07/14 00:59 75-34-3 <0.32 ug/L 1.0 1.1-Dichloroethane 1 <0.12 ug/L 0.12 08/07/14 00:59 107-06-2 1.2-Dichloroethane 1.0 1 1,1-Dichloroethene <0.56 ug/L 1.0 0.56 08/07/14 00:59 75-35-4 1 0.19 156-59-2 cis-1,2-Dichloroethene <0.19 ug/L 1.0 1 08/07/14 00:59

REPORT OF LABORATORY ANALYSIS

0.49

0.27

1

1

08/07/14 00:59

08/07/14 00:59 78-87-5

156-60-5

1.0

1.0

<0.49 ug/L

<0.27 ug/L

(828)254-7176



ANALYTICAL RESULTS

Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical I	Method: EPA 8	260						
1,3-Dichloropropane	<0.28 ug	/L	1.0	0.28	1		08/07/14 00:59	142-28-9	
2,2-Dichloropropane	<0.13 ug	/L	1.0	0.13	1		08/07/14 00:59	594-20-7	
1,1-Dichloropropene	<0.49 ug	/L	1.0	0.49	1		08/07/14 00:59	563-58-6	
cis-1,3-Dichloropropene	<0.13 ug	/L	1.0	0.13	1		08/07/14 00:59	10061-01-5	
trans-1,3-Dichloropropene	<0.26 ug	/L	1.0	0.26	1		08/07/14 00:59	10061-02-6	
Diisopropyl ether	<0.12 ug	/L	1.0	0.12	1		08/07/14 00:59	108-20-3	
Ethylbenzene	<0.30 ug		1.0	0.30	1		08/07/14 00:59	100-41-4	
Hexachloro-1,3-butadiene	<0.71 ug		1.0	0.71	1		08/07/14 00:59		
2-Hexanone	<0.46 ug		5.0	0.46	1		08/07/14 00:59		
p-Isopropyltoluene	<0.31 ug		1.0	0.31	1		08/07/14 00:59		
Methylene Chloride	<0.97 ug		1.0	0.97	1		08/07/14 00:59		
4-Methyl-2-pentanone (MIBK)	<0.37 ug		5.0	0.33	1		08/07/14 00:59		
Methyl-tert-butyl ether	<0.33 ug		1.0	0.33	1		08/07/14 00:59		
Naphthalene	<0.21 ug		1.0	0.21	1		08/07/14 00:59		
•	<0.24 ug <0.26 ug		1.0	0.24	1		08/07/14 00:59		
Styrene 1,1,1,2-Tetrachloroethane	_			0.26					
· · ·	<0.33 ug		1.0		1		08/07/14 00:59		
1,1,2,2-Tetrachloroethane	<0.40 ug		1.0	0.40	1		08/07/14 00:59		
Tetrachloroethene	<0.46 ug		1.0	0.46	1		08/07/14 00:59		
Toluene	<0.26 ug		1.0	0.26	1		08/07/14 00:59		
1,2,3-Trichlorobenzene	<0.33 ug		1.0	0.33	1		08/07/14 00:59		
1,2,4-Trichlorobenzene	<0.35 ug		1.0	0.35	1		08/07/14 00:59		
1,1,1-Trichloroethane	<0.48 ug		1.0	0.48	1		08/07/14 00:59		
1,1,2-Trichloroethane	<0.29 ug		1.0	0.29	1		08/07/14 00:59		
Trichloroethene	<0.47 ug		1.0	0.47	1		08/07/14 00:59		
Trichlorofluoromethane	<0.20 ug		1.0	0.20	1		08/07/14 00:59		
1,2,3-Trichloropropane	<0.41 ug		1.0	0.41	1		08/07/14 00:59		
Vinyl acetate	<0.35 ug		2.0	0.35	1		08/07/14 00:59		
Vinyl chloride	<0.62 ug		1.0	0.62	1		08/07/14 00:59		
Xylene (Total)	<0.66 ug		2.0	0.66	1		08/07/14 00:59		
m&p-Xylene	<0.66 ug	/L	2.0	0.66	1		08/07/14 00:59	179601-23-1	
o-Xylene	<0.23 ug	/L	1.0	0.23	1		08/07/14 00:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101 %		70-130		1		08/07/14 00:59		
1,2-Dichloroethane-d4 (S)	91 %		70-130		1		08/07/14 00:59	17060-07-0	
Toluene-d8 (S)	98 %		70-130		1		08/07/14 00:59	2037-26-5	
Sample: TRIP BLANK	Lab ID:	92211157002	Collected	d: 07/29/1	4 00:00	Received: 07	7/29/14 11:30 M	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical I	Method: EPA 8	260						
Acetone	<10.0 ug	/L	25.0	10.0	1		08/06/14 21:28	67-64-1	
Benzene	<0.25 ug		1.0	0.25	1		08/06/14 21:28		
_ 55110	<0.30 ug		1.0	0.20	1		08/06/14 21:28		



Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

Sample: TRIP BLANK Lab ID: 92211157002 Collected: 07/29/14 00:00 Received: 07/29/14 11:30 Matrix: Water

Campie. Trui BEART	Lub ID. VLL I	1107002	Ju. 01/20/1	4 00.00	recoursed. Of	7/20/14 11:00 W	attix. Water	
Parameters	Results Ur	nits PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Metho	od: EPA 8260						
Bromochloromethane	<0.17 ug/L	1.0	0.17	1		08/06/14 21:28	74-97-5	
Bromodichloromethane	<0.18 ug/L	1.0	0.18	1		08/06/14 21:28	75-27-4	
Bromoform	<0.26 ug/L	1.0	0.26	1		08/06/14 21:28	75-25-2	
Bromomethane	<0.29 ug/L	2.0	0.29	1		08/06/14 21:28	74-83-9	
2-Butanone (MEK)	<0.96 ug/L	5.0	0.96	1		08/06/14 21:28	78-93-3	
Carbon tetrachloride	<0.25 ug/L	1.0	0.25	1		08/06/14 21:28	56-23-5	
Chlorobenzene	<0.23 ug/L	1.0	0.23	1		08/06/14 21:28	108-90-7	
Chloroethane	<0.54 ug/L	1.0	0.54	1		08/06/14 21:28		
Chloroform	<0.14 ug/L	1.0	0.14	1		08/06/14 21:28		
Chloromethane	<0.11 ug/L	1.0	0.11	1		08/06/14 21:28		
2-Chlorotoluene	<0.35 ug/L	1.0	0.35	1		08/06/14 21:28		
4-Chlorotoluene	<0.31 ug/L	1.0	0.33	1		08/06/14 21:28		
1,2-Dibromo-3-chloropropane	< 2.0 ug/L	2.0	2.0	1		08/06/14 21:28		
Dibromochloromethane	<0.21 ug/L	1.0	0.21	1		08/06/14 21:28		
	<0.27 ug/L <0.27 ug/L	1.0	0.21	1		08/06/14 21:28		
1,2-Dibromoethane (EDB)				1		08/06/14 21:28		
Dibromomethane	<0.21 ug/L	1.0	0.21					
1,2-Dichlorobenzene	<0.30 ug/L	1.0	0.30	1		08/06/14 21:28		
1,3-Dichlorobenzene	<0.24 ug/L	1.0	0.24	1		08/06/14 21:28		
1,4-Dichlorobenzene	<0.33 ug/L	1.0	0.33	1		08/06/14 21:28		
Dichlorodifluoromethane	<0.21 ug/L	1.0	0.21	1		08/06/14 21:28		
1,1-Dichloroethane	<0.32 ug/L	1.0	0.32	1		08/06/14 21:28		
1,2-Dichloroethane	<0.12 ug/L	1.0	0.12	1		08/06/14 21:28		
1,1-Dichloroethene	<0.56 ug/L	1.0	0.56	1		08/06/14 21:28		
cis-1,2-Dichloroethene	<0.19 ug/L	1.0	0.19	1		08/06/14 21:28		
trans-1,2-Dichloroethene	<0.49 ug/L	1.0	0.49	1		08/06/14 21:28		
1,2-Dichloropropane	<0.27 ug/L	1.0	0.27	1		08/06/14 21:28		
1,3-Dichloropropane	<0.28 ug/L	1.0	0.28	1		08/06/14 21:28		
2,2-Dichloropropane	<0.13 ug/L	1.0	0.13	1		08/06/14 21:28	594-20-7	
1,1-Dichloropropene	<0.49 ug/L	1.0	0.49	1		08/06/14 21:28	563-58-6	
cis-1,3-Dichloropropene	<0.13 ug/L	1.0	0.13	1		08/06/14 21:28	10061-01-5	
trans-1,3-Dichloropropene	<0.26 ug/L	1.0	0.26	1		08/06/14 21:28	10061-02-6	
Diisopropyl ether	<0.12 ug/L	1.0	0.12	1		08/06/14 21:28	108-20-3	
Ethylbenzene	<0.30 ug/L	1.0	0.30	1		08/06/14 21:28	100-41-4	
Hexachloro-1,3-butadiene	<0.71 ug/L	1.0	0.71	1		08/06/14 21:28	87-68-3	
2-Hexanone	<0.46 ug/L	5.0	0.46	1		08/06/14 21:28	591-78-6	
p-Isopropyltoluene	<0.31 ug/L	1.0	0.31	1		08/06/14 21:28	99-87-6	
Methylene Chloride	<0.97 ug/L	1.0	0.97	1		08/06/14 21:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.33 ug/L	5.0	0.33	1		08/06/14 21:28		
Methyl-tert-butyl ether	<0.21 ug/L	1.0	0.21	1		08/06/14 21:28		
Naphthalene	<0.24 ug/L	1.0	0.24	1		08/06/14 21:28		
Styrene	<0.26 ug/L	1.0	0.26	1		08/06/14 21:28		
1,1,1,2-Tetrachloroethane	<0.33 ug/L	1.0	0.33	1		08/06/14 21:28		
1,1,2,2-Tetrachloroethane	<0.40 ug/L	1.0	0.40	1		08/06/14 21:28		
Tetrachloroethene	<0.46 ug/L	1.0	0.46	1		08/06/14 21:28		
Toluene	<0.26 ug/L	1.0	0.46	1		08/06/14 21:28		
1,2,3-Trichlorobenzene	•					08/06/14 21:28		
ı,∠,ɔ-ı i ichiolobenzene	<0.33 ug/L	1.0	0.33	1		06/06/14 21:28	01-01-0	



Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

Sample: TRIP BLANK Lab ID: 92211157002 Collected: 07/29/14 00:00 Received: 07/29/14 11:30 Matrix: Water PQL DF Results Units MDI CAS No. **Parameters** Prepared Analyzed Qual Analytical Method: EPA 8260 8260 MSV Low Level Landfill <0.35 ug/L 1.0 0.35 08/06/14 21:28 120-82-1 1,2,4-Trichlorobenzene 1 1,1,1-Trichloroethane <0.48 ug/L 1.0 0.48 1 08/06/14 21:28 71-55-6 1,1,2-Trichloroethane <0.29 ug/L 1.0 0.29 1 08/06/14 21:28 79-00-5 Trichloroethene <0.47 ug/L 0.47 08/06/14 21:28 79-01-6 1.0 1 Trichlorofluoromethane <0.20 ug/L 0.20 08/06/14 21:28 75-69-4 1.0 1 0.41 08/06/14 21:28 96-18-4 1,2,3-Trichloropropane <0.41 ug/L 1.0 1 <0.35 ug/L 0.35 08/06/14 21:28 108-05-4 Vinyl acetate 2.0 1 Vinyl chloride <0.62 ug/L 1.0 0.62 1 08/06/14 21:28 75-01-4 Xylene (Total) <0.66 ug/L 2.0 0.66 1 08/06/14 21:28 1330-20-7 m&p-Xylene <0.66 ug/L 2.0 0.66 1 08/06/14 21:28 179601-23-1 o-Xylene <0.23 ug/L 0.23 08/06/14 21:28 95-47-6 1.0 1 Surrogates 08/06/14 21:28 460-00-4 4-Bromofluorobenzene (S) 100 % 70-130 1 1,2-Dichloroethane-d4 (S) 96 % 70-130 1 08/06/14 21:28 17060-07-0 Toluene-d8 (S) 98 % 70-130 1 08/06/14 21:28 2037-26-5 8260 MSV Analytical Method: EPA 8260 Acetone <10.0 ug/L 25.0 10.0 1 08/06/14 21:28 67-64-1 Benzene <1.7 ug/L 5.0 1.7 1 08/06/14 21:28 71-43-2 Bromobenzene <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 108-86-1 Bromochloromethane <2.2 ug/L 5.0 2.2 1 08/06/14 21:28 74-97-5 Bromodichloromethane <1.7 ug/L 1.7 08/06/14 21:28 75-27-4 5.0 1 <1.5 ug/L Bromoform 5.0 1.5 1 08/06/14 21:28 75-25-2 **Bromomethane** <2.5 ug/L 10.0 2.5 08/06/14 21:28 74-83-9 1 2-Butanone (MEK) <4.9 ug/L 10.0 4.9 08/06/14 21:28 78-93-3 1 tert-Butyl Alcohol <57.7 ug/L 100 57.7 08/06/14 21:28 75-65-0 1 <1.9 ug/L 08/06/14 21:28 104-51-8 n-Butylbenzene 5.0 1.9 1 <1.7 ug/L 1.7 sec-Butylbenzene 5.0 08/06/14 21:28 135-98-8 1 <1.6 ug/L tert-Butylbenzene 5.0 1.6 1 08/06/14 21:28 98-06-6 Carbon tetrachloride <1.9 ug/L 5.0 1.9 1 08/06/14 21:28 56-23-5 Chlorobenzene <1.7 ug/L 5.0 1.7 1 08/06/14 21:28 108-90-7 Chloroethane <1.6 ug/L 10.0 1.6 08/06/14 21:28 75-00-3 1 Chloroform <1.9 ug/L 5.0 1.9 1 08/06/14 21:28 67-66-3 Chloromethane <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 74-87-3 2-Chlorotoluene <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 95-49-8 4-Chlorotoluene <1.6 ug/L 5.0 1.6 1 08/06/14 21:28 106-43-4 1,2-Dibromo-3-chloropropane <1.7 ug/L 20 17 1 08/06/14 21:28 96-12-8 Dibromochloromethane <1.8 ug/L 5.0 1.8 1 08/06/14 21:28 124-48-1 1,2-Dibromoethane (EDB) <1.7 ug/L 5.0 1.7 1 08/06/14 21:28 106-93-4 2.0 Dibromomethane <2.0 ug/L 5.0 1 08/06/14 21:28 74-95-3 1,2-Dichlorobenzene <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 95-50-1 1,3-Dichlorobenzene <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 541-73-1 1.4-Dichlorobenzene <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 106-46-7 Dichlorodifluoromethane <1.6 ug/L 5.0 1.6 1 08/06/14 21:28 75-71-8 1.1-Dichloroethane <1.8 ua/L 5.0 1.8 1 08/06/14 21:28 75-34-3 1,2-Dichloroethane <1.8 ug/L 5.0 1.8 1 08/06/14 21:28 107-06-2



Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Toluene-d8 (S)

Date: 08/25/2014 03:55 PM

Sample: TRIP BLANK Collected: 07/29/14 00:00 Lab ID: 92211157002 Received: 07/29/14 11:30 Matrix: Water PQL MDL DF Results Units Prepared CAS No. **Parameters** Analyzed Qual Analytical Method: EPA 8260 8260 MSV 1,2-Dichloroethene (Total) <4.4 ug/L 5.0 08/06/14 21:28 540-59-0 4.4 1 1,1-Dichloroethene <1.9 ug/L 5.0 1.9 1 08/06/14 21:28 75-35-4 cis-1,2-Dichloroethene <1.8 ug/L 5.0 1.8 1 08/06/14 21:28 156-59-2 trans-1.2-Dichloroethene <1.8 ug/L 5.0 1.8 1 08/06/14 21:28 156-60-5 08/06/14 21:28 78-87-5 <1.7 ug/L 5.0 17 1,2-Dichloropropane 1 <1.7 ug/L 1.7 08/06/14 21:28 142-28-9 5.0 1,3-Dichloropropane 1 <1.6 ug/L 08/06/14 21:28 594-20-7 2,2-Dichloropropane 5.0 1.6 1 1,1-Dichloropropene <1.7 ug/L 5.0 1.7 1 08/06/14 21:28 563-58-6 cis-1,3-Dichloropropene <1.6 ug/L 5.0 1.6 1 08/06/14 21:28 10061-01-5 trans-1,3-Dichloropropene <1.6 ug/L 5.0 1.6 1 08/06/14 21:28 10061-02-6 Diisopropyl ether <1.7 ug/L 5.0 1.7 08/06/14 21:28 108-20-3 1 Ethylbenzene <1.6 ug/L 5.0 1.6 1 08/06/14 21:28 100-41-4 Hexachloro-1,3-butadiene <1.8 ug/L 5.0 1.8 1 08/06/14 21:28 87-68-3 2-Hexanone <3.8 ua/L 10.0 3.8 1 08/06/14 21:28 591-78-6 Isopropylbenzene (Cumene) <1.6 ug/L 5.0 08/06/14 21:28 98-82-8 1.6 1 p-Isopropyltoluene <1.6 ug/L 5.0 1.6 08/06/14 21:28 99-87-6 1 Methylene Chloride <1.9 ug/L 1.9 08/06/14 21:28 75-09-2 5.0 1 4-Methyl-2-pentanone (MIBK) <3.6 ug/L 10.0 3.6 1 08/06/14 21:28 108-10-1 Methyl-tert-butyl ether <1.7 ug/L 5.0 1.7 1 08/06/14 21:28 1634-04-4 Naphthalene <2.0 ug/L 5.0 2.0 1 08/06/14 21:28 91-20-3 n-Propylbenzene <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 103-65-1 <1.6 ug/L 1.6 08/06/14 21:28 100-42-5 Styrene 5.0 1,1,1,2-Tetrachloroethane <1.7 ug/L 1.7 08/06/14 21:28 630-20-6 5.0 1 1,1,2,2-Tetrachloroethane <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 79-34-5 Tetrachloroethene <1.8 ug/L 5.0 1.8 1 08/06/14 21:28 127-18-4 Toluene <1.6 ug/L 1.6 08/06/14 21:28 108-88-3 5.0 1 <2.0 ug/L 1,2,3-Trichlorobenzene 5.0 20 08/06/14 21:28 87-61-6 1 08/06/14 21:28 120-82-1 1,2,4-Trichlorobenzene <1.7 ug/L 5.0 17 1 <1.9 ug/L 1,1,1-Trichloroethane 5.0 1.9 08/06/14 21:28 71-55-6 1 <1.7 ug/L 1.7 1,1,2-Trichloroethane 5.0 1 08/06/14 21:28 79-00-5 Trichloroethene <1.8 ug/L 5.0 1.8 1 08/06/14 21:28 79-01-6 Trichlorofluoromethane <1.7 ug/L 10.0 1.7 1 08/06/14 21:28 75-69-4 1,2,3-Trichloropropane <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 96-18-4 1,2,4-Trimethylbenzene <1.5 ug/L 5.0 1.5 1 08/06/14 21:28 95-63-6 1,3,5-Trimethylbenzene <1.3 ug/L 5.0 1.3 1 08/06/14 21:28 108-67-8 Vinyl acetate <2.3 ug/L 10.0 2.3 1 08/06/14 21:28 108-05-4 08/06/14 21:28 75-01-4 Vinyl chloride <1.5 ug/L 5.0 15 1 10.0 3.1 m&p-Xylene <3.1 ug/L 1 08/06/14 21:28 179601-23-1 o-Xylene <1.6 ug/L 5.0 1.6 08/06/14 21:28 95-47-6 1 Surrogates 4-Bromofluorobenzene (S) 100 % 70-130 08/06/14 21:28 460-00-4 1 96 % 70-130 1,2-Dichloroethane-d4 (S) 1 08/06/14 21:28 17060-07-0

REPORT OF LABORATORY ANALYSIS

70-130

98 %

08/06/14 21:28 2037-26-5



Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

QC Batch: MPRP/16564 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET

Associated Lab Samples: 92211157001

METHOD BLANK: 1252863 Matrix: Water

Associated Lab Samples: 92211157001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<2.6	5.0	07/31/14 02:44	
Arsenic	ug/L	<2.7	10.0	07/31/14 02:44	
Barium	ug/L	<2.5	5.0	07/31/14 02:44	
Beryllium	ug/L	< 0.50	1.0	07/31/14 02:44	
Cadmium	ug/L	< 0.50	1.0	07/31/14 02:44	
Chromium	ug/L	<2.0	5.0	07/31/14 02:44	
Cobalt	ug/L	<2.0	5.0	07/31/14 02:44	
Copper	ug/L	<2.0	5.0	07/31/14 02:44	
Lead	ug/L	<4.0	5.0	07/31/14 02:44	
Nickel	ug/L	<2.5	5.0	07/31/14 02:44	
Selenium	ug/L	<5.0	10.0	07/31/14 02:44	
Silver	ug/L	<2.5	5.0	07/31/14 02:44	
Thallium	ug/L	<5.0	10.0	07/31/14 02:44	
Vanadium	ug/L	<2.5	5.0	07/31/14 02:44	
Zinc	ug/L	<5.0	10.0	07/31/14 02:44	

LABORATORY CONTROL SAMPLE	: 1252864					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	ug/L	500	482	96	80-120	
Arsenic	ug/L	500	477	95	80-120	
Barium	ug/L	500	491	98	80-120	
Beryllium	ug/L	500	473	95	80-120	
Cadmium	ug/L	500	464	93	80-120	
Chromium	ug/L	500	469	94	80-120	
Cobalt	ug/L	500	478	96	80-120	
Copper	ug/L	500	492	98	80-120	
Lead	ug/L	500	481	96	80-120	
Nickel	ug/L	500	475	95	80-120	
Selenium	ug/L	500	481	96	80-120	
Silver	ug/L	250	234	94	80-120	
Thallium	ug/L	500	469	94	80-120	
Vanadium	ug/L	500	484	97	80-120	
Zinc	ug/L	500	455	91	80-120	

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Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

MATRIX SPIKE & MATRIX	SPIKE DUPLICA	ATE: 12528	65 MS	MSD	1252866							
Parameter	ç Units	92210503010 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qua
Antimony	ug/L	- 	500	500	956	943	99	97	75-125	1	20	
Arsenic	ug/L	698	500	500	1220	1190	105	99	75-125	2	_	
Barium	ug/L	ND	500	500	502	493	100	98	75-125	2	20	
Beryllium	ug/L	ND	500	500	481	466	96	93	75-125	3	20	
Cadmium	ug/L	ND	500	500	467	453	93	91	75-125	3	20	
Chromium	ug/L	ND	500	500	478	465	96	93	75-125	3	20	
Cobalt	ug/L	ND	500	500	486	474	97	95	75-125	2	20	
Copper	ug/L	ND	500	500	510	500	102	100	75-125	2	20	
Lead	ug/L	ND	500	500	479	466	96	93	75-125	3	20	
Nickel	ug/L	ND	500	500	479	467	96	93	75-125	3	20	
Selenium	ug/L	ND	500	500	527	514	105	102	75-125	2	20	
Silver	ug/L	ND	250	250	236	230	94	92	75-125	3	20	
Γhallium	ug/L	ND	500	500	466	458	93	92	75-125	2	20	
√anadium	ug/L	ND	500	500	495	484	99	97	75-125	2	20	
Zinc	ug/L	ND	500	500	456	445	91	88	75-125	2	20	

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Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

QC Batch: MSV/28023 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill

Associated Lab Samples: 92211157001, 92211157002

METHOD BLANK: 1267907 Matrix: Water

Associated Lab Samples: 92211157001, 92211157002

·	,	Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	1.0	08/06/14 21:12	
1,1,1-Trichloroethane	ug/L	<0.48	1.0	08/06/14 21:12	
1,1,2,2-Tetrachloroethane	ug/L	< 0.40	1.0	08/06/14 21:12	
1,1,2-Trichloroethane	ug/L	< 0.29	1.0	08/06/14 21:12	
1,1-Dichloroethane	ug/L	< 0.32	1.0	08/06/14 21:12	
1,1-Dichloroethene	ug/L	< 0.56	1.0	08/06/14 21:12	
1,1-Dichloropropene	ug/L	< 0.49	1.0	08/06/14 21:12	
1,2,3-Trichlorobenzene	ug/L	0.44J	1.0	08/06/14 21:12	
1,2,3-Trichloropropane	ug/L	< 0.41	1.0	08/06/14 21:12	
1,2,4-Trichlorobenzene	ug/L	< 0.35	1.0	08/06/14 21:12	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	2.0	08/06/14 21:12	
1,2-Dibromoethane (EDB)	ug/L	<0.27	1.0	08/06/14 21:12	
1,2-Dichlorobenzene	ug/L	< 0.30	1.0	08/06/14 21:12	
1,2-Dichloroethane	ug/L	<0.12	1.0	08/06/14 21:12	
1,2-Dichloropropane	ug/L	<0.27	1.0	08/06/14 21:12	
1,3-Dichlorobenzene	ug/L	< 0.24	1.0	08/06/14 21:12	
1,3-Dichloropropane	ug/L	<0.28	1.0	08/06/14 21:12	
1,4-Dichlorobenzene	ug/L	< 0.33	1.0	08/06/14 21:12	
2,2-Dichloropropane	ug/L	< 0.13	1.0	08/06/14 21:12	
2-Butanone (MEK)	ug/L	< 0.96	5.0	08/06/14 21:12	
2-Chlorotoluene	ug/L	< 0.35	1.0	08/06/14 21:12	
2-Hexanone	ug/L	< 0.46	5.0	08/06/14 21:12	
4-Chlorotoluene	ug/L	< 0.31	1.0	08/06/14 21:12	
4-Methyl-2-pentanone (MIBK)	ug/L	< 0.33	5.0	08/06/14 21:12	
Acetone	ug/L	<10.0	25.0	08/06/14 21:12	
Benzene	ug/L	< 0.25	1.0	08/06/14 21:12	
Bromobenzene	ug/L	< 0.30	1.0	08/06/14 21:12	
Bromochloromethane	ug/L	< 0.17	1.0	08/06/14 21:12	
Bromodichloromethane	ug/L	<0.18	1.0	08/06/14 21:12	
Bromoform	ug/L	< 0.26	1.0	08/06/14 21:12	
Bromomethane	ug/L	< 0.29	2.0	08/06/14 21:12	
Carbon tetrachloride	ug/L	< 0.25	1.0	08/06/14 21:12	
Chlorobenzene	ug/L	< 0.23	1.0	08/06/14 21:12	
Chloroethane	ug/L	< 0.54	1.0	08/06/14 21:12	
Chloroform	ug/L	< 0.14	1.0	08/06/14 21:12	
Chloromethane	ug/L	<0.11	1.0	08/06/14 21:12	
cis-1,2-Dichloroethene	ug/L	< 0.19	1.0	08/06/14 21:12	
cis-1,3-Dichloropropene	ug/L	<0.13	1.0	08/06/14 21:12	
Dibromochloromethane	ug/L	<0.21	1.0	08/06/14 21:12	
Dibromomethane	ug/L	<0.21	1.0	08/06/14 21:12	
Dichlorodifluoromethane	ug/L	<0.21	1.0	08/06/14 21:12	

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Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

METHOD BLANK: 1267907 Matrix: Water

Associated Lab Samples: 92211157001, 92211157002

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<0.12	1.0	08/06/14 21:12	
Ethylbenzene	ug/L	< 0.30	1.0	08/06/14 21:12	
Hexachloro-1,3-butadiene	ug/L	1.2	1.0	08/06/14 21:12	
m&p-Xylene	ug/L	< 0.66	2.0	08/06/14 21:12	
Methyl-tert-butyl ether	ug/L	<0.21	1.0	08/06/14 21:12	
Methylene Chloride	ug/L	< 0.97	1.0	08/06/14 21:12	
Naphthalene	ug/L	0.39J	1.0	08/06/14 21:12	
o-Xylene	ug/L	< 0.23	1.0	08/06/14 21:12	
p-Isopropyltoluene	ug/L	<0.31	1.0	08/06/14 21:12	
Styrene	ug/L	<0.26	1.0	08/06/14 21:12	
Tetrachloroethene	ug/L	< 0.46	1.0	08/06/14 21:12	
Toluene	ug/L	<0.26	1.0	08/06/14 21:12	
trans-1,2-Dichloroethene	ug/L	< 0.49	1.0	08/06/14 21:12	
trans-1,3-Dichloropropene	ug/L	<0.26	1.0	08/06/14 21:12	
Trichloroethene	ug/L	< 0.47	1.0	08/06/14 21:12	
Trichlorofluoromethane	ug/L	<0.20	1.0	08/06/14 21:12	
Vinyl acetate	ug/L	< 0.35	2.0	08/06/14 21:12	
Vinyl chloride	ug/L	< 0.62	1.0	08/06/14 21:12	
Xylene (Total)	ug/L	<0.66	2.0	08/06/14 21:12	
1,2-Dichloroethane-d4 (S)	%	96	70-130	08/06/14 21:12	
4-Bromofluorobenzene (S)	%	103	70-130	08/06/14 21:12	
Toluene-d8 (S)	%	97	70-130	08/06/14 21:12	

LABORATORY CONTROL SAMPL	E: 1267908					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.0	104	80-125	
1,1,1-Trichloroethane	ug/L	50	45.4	91	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	79-124	
1,1,2-Trichloroethane	ug/L	50	50.6	101	85-125	
1,1-Dichloroethane	ug/L	50	45.0	90	73-126	
1,1-Dichloroethene	ug/L	50	50.2	100	66-135	
1,1-Dichloropropene	ug/L	50	49.5	99	74-135	
1,2,3-Trichlorobenzene	ug/L	50	60.4	121	73-135	
1,2,3-Trichloropropane	ug/L	50	52.2	104	75-130	
1,2,4-Trichlorobenzene	ug/L	50	57.9	116	75-134	
1,2-Dibromo-3-chloropropane	ug/L	50	57.9	116	71-133	
1,2-Dibromoethane (EDB)	ug/L	50	52.5	105	83-124	
1,2-Dichlorobenzene	ug/L	50	52.9	106	80-133	
1,2-Dichloroethane	ug/L	50	47.5	95	67-128	
1,2-Dichloropropane	ug/L	50	51.4	103	75-132	
1,3-Dichlorobenzene	ug/L	50	51.0	102	77-130	
1,3-Dichloropropane	ug/L	50	52.8	106	76-131	
1,4-Dichlorobenzene	ug/L	50	51.4	103	78-130	

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Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

LABORATORY CONTROL SAMPLE:	1267908	0 "	100	100	0/ 5	
Down-re-	l laita	Spike	LCS	LCS % Rec	% Rec	Ouglities
Parameter	Units	Conc. 	Result		Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	44.9	90	40-160	
2-Butanone (MEK)	ug/L	100	103	103	61-144	
2-Chlorotoluene	ug/L	50	50.6	101	74-132	
2-Hexanone	ug/L	100	108	108	68-143	
4-Chlorotoluene	ug/L	50	49.9	100	76-133	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	72-135	
Acetone	ug/L	100	92.6	93	48-146	
Benzene	ug/L	50	49.7	99	80-125	
Bromobenzene	ug/L	50	50.6	101	75-125	
Bromochloromethane	ug/L	50	48.5	97	71-125	
Bromodichloromethane	ug/L	50	54.9	110	78-124	
Bromoform	ug/L	50	48.0	96	71-128	
Bromomethane	ug/L	50	29.4	59	40-160	
Carbon tetrachloride	ug/L	50	47.2	94	69-131	
Chlorobenzene	ug/L	50	49.3	99	81-122	
Chloroethane	ug/L	50	37.4	75	39-148	
Chloroform	ug/L	50	53.8	108	73-127	
Chloromethane	ug/L	50	40.4	81	44-146	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	74-124	
cis-1,3-Dichloropropene	ug/L	50	46.4	93	72-132	
Dibromochloromethane	ug/L	50	53.0	106	78-125	
Dibromomethane	ug/L	50	52.1	104	82-120	
Dichlorodifluoromethane	ug/L	50	50.5	101	34-157	
Diisopropyl ether	ug/L	50	48.7	97	69-135	
Ethylbenzene	ug/L	50	50.7	101	79-121	
Hexachloro-1,3-butadiene	ug/L	50	56.6	113	72-131	
m&p-Xylene	ug/L	100	102	102	81-124	
Methyl-tert-butyl ether	ug/L	50	48.5	97	74-131	
Methylene Chloride	ug/L	50	50.9	102	64-133	
Naphthalene	ug/L	50	62.9	126	73-133	
o-Xylene	ug/L	50	52.9	106	79-131	
p-Isopropyltoluene	ug/L	50	51.7	103	80-131	
Styrene	ug/L	50	54.8	110	84-126	
Tetrachloroethene	ug/L	50	50.7	101	78-122	
Toluene	ug/L	50	48.8	98	80-121	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	71-127	
trans-1,3-Dichloropropene	ug/L	50	45.0	90	69-141	
Trichloroethene	ug/L	50	49.2	98	78-122	
Trichlorofluoromethane	ug/L	50	45.1	90	53-137	
Vinyl acetate	ug/L	100	112	112	40-160	
Vinyl chloride	ug/L	50	43.3	87	58-137	
Xylene (Total)	ug/L	150	155	103	81-126	
1,2-Dichloroethane-d4 (S)	%	. 33	. 33	95	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			98	70-130	

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(828)254-7176



QUALITY CONTROL DATA

Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

QC Batch: MSV/27840 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 92211157002

METHOD BLANK: 1257555 Matrix: Water

Associated Lab Samples: 92211157002

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.7	5.0	08/06/14 21:12	
1,1,1-Trichloroethane	ug/L	<1.9	5.0	08/06/14 21:12	
1,1,2,2-Tetrachloroethane	ug/L	<1.5	5.0	08/06/14 21:12	
1,1,2-Trichloroethane	ug/L	<1.7	5.0	08/06/14 21:12	
1,1-Dichloroethane	ug/L	<1.8	5.0	08/06/14 21:12	
1,1-Dichloroethene	ug/L	<1.9	5.0	08/06/14 21:12	
1,1-Dichloropropene	ug/L	<1.7	5.0	08/06/14 21:12	
1,2,3-Trichlorobenzene	ug/L	<2.0	5.0	08/06/14 21:12	
1,2,3-Trichloropropane	ug/L	<1.5	5.0	08/06/14 21:12	
1,2,4-Trichlorobenzene	ug/L	<1.7	5.0	08/06/14 21:12	
1,2,4-Trimethylbenzene	ug/L	<1.5	5.0	08/06/14 21:12	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	2.0	08/06/14 21:12	
1,2-Dibromoethane (EDB)	ug/L	<1.7	5.0	08/06/14 21:12	
1,2-Dichlorobenzene	ug/L	<1.5	5.0	08/06/14 21:12	
1,2-Dichloroethane	ug/L	<1.8	5.0	08/06/14 21:12	
1,2-Dichloroethene (Total)	ug/L	<4.4	5.0	08/06/14 21:12	
1,2-Dichloropropane	ug/L	<1.7	5.0	08/06/14 21:12	
1,3,5-Trimethylbenzene	ug/L	<1.3	5.0	08/06/14 21:12	
1,3-Dichlorobenzene	ug/L	<1.5	5.0	08/06/14 21:12	
1,3-Dichloropropane	ug/L	<1.7	5.0	08/06/14 21:12	
1,4-Dichlorobenzene	ug/L	<1.5	5.0	08/06/14 21:12	
2,2-Dichloropropane	ug/L	<1.6	5.0	08/06/14 21:12	
2-Butanone (MEK)	ug/L	<4.9	10.0	08/06/14 21:12	
2-Chlorotoluene	ug/L	<1.5	5.0	08/06/14 21:12	
2-Hexanone	ug/L	<3.8	10.0	08/06/14 21:12	
4-Chlorotoluene	ug/L	<1.6	5.0	08/06/14 21:12	
4-Methyl-2-pentanone (MIBK)	ug/L	<3.6	10.0	08/06/14 21:12	
Acetone	ug/L	<10.0	25.0	08/06/14 21:12	
Benzene	ug/L	<1.7	5.0	08/06/14 21:12	
Bromobenzene	ug/L	<1.5	5.0	08/06/14 21:12	
Bromochloromethane	ug/L	<2.2	5.0	08/06/14 21:12	
Bromodichloromethane	ug/L	<1.7	5.0	08/06/14 21:12	
Bromoform	ug/L	<1.5	5.0	08/06/14 21:12	
Bromomethane	ug/L	<2.5	10.0	08/06/14 21:12	
Carbon tetrachloride	ug/L	<1.9	5.0	08/06/14 21:12	
Chlorobenzene	ug/L	<1.7	5.0	08/06/14 21:12	
Chloroethane	ug/L	<1.6	10.0	08/06/14 21:12	
Chloroform	ug/L	<1.9	5.0	08/06/14 21:12	
Chloromethane	ug/L	<1.5	5.0	08/06/14 21:12	
cis-1,2-Dichloroethene	ug/L	<1.8	5.0	08/06/14 21:12	
cis-1,3-Dichloropropene	ug/L	<1.6	5.0	08/06/14 21:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

METHOD BLANK: 1257555 Matrix: Water

Associated Lab Samples: 92211157002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
	Onits			Analyzeu	————
Dibromochloromethane	ug/L	<1.8	5.0	08/06/14 21:12	
Dibromomethane	ug/L	<2.0	5.0	08/06/14 21:12	
Dichlorodifluoromethane	ug/L	<1.6	5.0	08/06/14 21:12	
Diisopropyl ether	ug/L	<1.7	5.0	08/06/14 21:12	
Ethylbenzene	ug/L	<1.6	5.0	08/06/14 21:12	
Hexachloro-1,3-butadiene	ug/L	<1.8	5.0	08/06/14 21:12	
Isopropylbenzene (Cumene)	ug/L	<1.6	5.0	08/06/14 21:12	
m&p-Xylene	ug/L	<3.1	10.0	08/06/14 21:12	
Methyl-tert-butyl ether	ug/L	<1.7	5.0	08/06/14 21:12	
Methylene Chloride	ug/L	<1.9	5.0	08/06/14 21:12	
n-Butylbenzene	ug/L	<1.9	5.0	08/06/14 21:12	
n-Propylbenzene	ug/L	<1.5	5.0	08/06/14 21:12	
Naphthalene	ug/L	<2.0	5.0	08/06/14 21:12	
o-Xylene	ug/L	<1.6	5.0	08/06/14 21:12	
p-Isopropyltoluene	ug/L	<1.6	5.0	08/06/14 21:12	
sec-Butylbenzene	ug/L	<1.7	5.0	08/06/14 21:12	
Styrene	ug/L	<1.6	5.0	08/06/14 21:12	
tert-Butyl Alcohol	ug/L	<57.7	100	08/06/14 21:12	
tert-Butylbenzene	ug/L	<1.6	5.0	08/06/14 21:12	
Tetrachloroethene	ug/L	<1.8	5.0	08/06/14 21:12	
Toluene	ug/L	<1.6	5.0	08/06/14 21:12	
trans-1,2-Dichloroethene	ug/L	<1.8	5.0	08/06/14 21:12	
trans-1,3-Dichloropropene	ug/L	<1.6	5.0	08/06/14 21:12	
Trichloroethene	ug/L	<1.8	5.0	08/06/14 21:12	
Trichlorofluoromethane	ug/L	<1.7	10.0	08/06/14 21:12	
Vinyl acetate	ug/L	<2.3	10.0	08/06/14 21:12	
Vinyl chloride	ug/L	<1.5	5.0	08/06/14 21:12	
1,2-Dichloroethane-d4 (S)	%	96	70-130	08/06/14 21:12	
4-Bromofluorobenzene (S)	%	103	70-130	08/06/14 21:12	
Toluene-d8 (S)	%	97	70-130	08/06/14 21:12	

LABORATORY CONTROL SAMPLE:	1257556					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.0	104	80-125	
1,1,1-Trichloroethane	ug/L	50	45.4	91	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	79-124	
1,1,2-Trichloroethane	ug/L	50	50.6	101	85-125	
1,1-Dichloroethane	ug/L	50	45.0	90	73-126	
1,1-Dichloroethene	ug/L	50	50.2	100	66-135	
1,1-Dichloropropene	ug/L	50	49.5	99	74-135	
1,2,3-Trichlorobenzene	ug/L	50	60.4	121	73-135	
1,2,3-Trichloropropane	ug/L	50	52.2	104	75-130	
1,2,4-Trichlorobenzene	ug/L	50	57.9	116	75-134	

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Pace Project No.: 92211157

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LABORATORY CONTROL SAMPLE:	1257556	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L		53.6	107	79-125	
1,2-Dibromo-3-chloropropane	ug/L	50	57.9	116	71-133	
I,2-Dibromoethane (EDB)	ug/L	50	52.5	105	83-124	
,2-Dichlorobenzene	ug/L	50	52.9	106	80-133	
I,2-Dichloroethane	ug/L	50	47.5	95	67-128	
,2-Dichloroethene (Total)	ug/L	100	101	101	73-128	
,2-Dichloropropane	ug/L	50	51.4	103	75-132	
1,3,5-Trimethylbenzene	ug/L	50	51.4	103	79-123	
,3-Dichlorobenzene	ug/L	50	51.0	102	77-130	
,3-Dichloropropane	ug/L	50	52.8	106	76-131	
,4-Dichlorobenzene	ug/L	50	51.4	103	78-130	
,2-Dichloropropane	ug/L	50	44.9	90	40-160	
P-Butanone (MEK)	ug/L	100	103	103	61-144	
2-Chlorotoluene	ug/L	50	50.6	101	74-132	
2-Hexanone	ug/L	100	108	108	68-143	
-Chlorotoluene	ug/L	50	49.9	100	76-133	
-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	72-135	
Acetone	ug/L	100	92.6	93	48-146	
Benzene	ug/L	50	49.7	99	80-125	
Bromobenzene	ug/L	50	50.6	101	75-125	
Bromochloromethane	ug/L	50	48.5	97	71-125	
Bromodichloromethane	ug/L	50	54.9	110	78-124	
Bromoform	ug/L	50	48.0	96	71-128	
Bromomethane	ug/L	50	29.4	59	40-160	
Carbon tetrachloride	ug/L	50	47.2	94	69-131	
Chlorobenzene	ug/L	50	49.3	99	81-122	
Chloroethane	ug/L	50	37.4	75	39-148	
Chloroform	ug/L	50	53.8	108	73-127	
Chloromethane	ug/L	50	40.4	81	44-146	
is-1,2-Dichloroethene	ug/L	50	51.5	103	74-124	
is-1,3-Dichloropropene	ug/L	50	46.4	93	72-132	
Dibromochloromethane	ug/L	50	53.0	106	78-125	
Dibromomethane	ug/L	50	52.1	104	82-120	
Dichlorodifluoromethane	ug/L	50	50.5	101	34-157	
Diisopropyl ether	ug/L	50	48.7	97	69-135	
Ethylbenzene	ug/L	50	50.7	101	79-121	
Hexachloro-1,3-butadiene	ug/L	50	56.6	113	72-131	
sopropylbenzene (Cumene)	ug/L	50	53.6	107	81-132	
n&p-Xylene	ug/L	100	102	102	81-124	
lethyl-tert-butyl ether	ug/L	50	48.5	97	74-131	
Methylene Chloride	ug/L	50	50.9	102	64-133	
-Butylbenzene	ug/L	50	54.2	108	78-127	
i-Propylbenzene	ug/L	50	50.5	101	78-130	
laphthalene	ug/L	50	62.9	126	73-133	
o-Xylene	ug/L	50	52.9	106	79-131	
	-		51.7	103	80-131	
o-Isopropyltoluene	ug/L	50	51/	10.5	80-1.31	

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ABORATORY CONTROL SAMPLE:	1257556						
		Spike	LCS	LCS	% Rec		
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers	
yrene	ug/L	50	54.8	110	84-126		
Butyl Alcohol	ug/L	500	514	103	36-136		
Butylbenzene	ug/L	50	53.3	107	77-133		
achloroethene	ug/L	50	50.7	101	78-122		
ene	ug/L	50	48.8	98	80-121		
s-1,2-Dichloroethene	ug/L	50	49.8	100	71-127		
-1,3-Dichloropropene	ug/L	50	45.0	90	69-141		
oroethene	ug/L	50	49.2	98	78-122		
orofluoromethane	ug/L	50	45.1	90	53-137		
acetate	ug/L	100	112	112	40-160		
chloride	ug/L	50	43.3	87	58-137		
ichloroethane-d4 (S)	%			95	70-130		
mofluorobenzene (S)	%			102	70-130		
ne-d8 (S)	%			98	70-130		

MATRIX SPIKE SAMPLE:	1258526						
		92211465001	Spike	MS	MS	% Rec	
Parameter	Units	Result Conc.		Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	55.9	112	70-130	
1,1,1-Trichloroethane	ug/L	ND	50	53.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	54.1	108	70-130	
1,1,2-Trichloroethane	ug/L	ND	50	54.6	109	70-130	
1,1-Dichloroethane	ug/L	ND	50	49.9	100	70-130	
1,1-Dichloroethene	ug/L	ND	50	59.8	120	65-160	
1,1-Dichloropropene	ug/L	ND	50	60.2	120	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	50	65.6	131	70-130 N	ЛΟ
1,2,3-Trichloropropane	ug/L	ND	50	54.4	109	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	50	63.1	126	70-130	
1,2,4-Trimethylbenzene	ug/L	ND	50	58.9	118	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	55.8	112	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	55.6	111	60-139	
1,2-Dichlorobenzene	ug/L	ND	50	57.7	115	70-130	
1,2-Dichloroethane	ug/L	ND	50	51.5	103	70-130	
1,2-Dichloropropane	ug/L	ND	50	55.6	111	70-130	
1,3,5-Trimethylbenzene	ug/L	ND	50	56.8	114	70-130	
1,3-Dichlorobenzene	ug/L	ND	50	56.4	113	70-130	
1,3-Dichloropropane	ug/L	ND	50	55.3	111	70-130	
1,4-Dichlorobenzene	ug/L	ND	50	56.0	112	70-130	
2,2-Dichloropropane	ug/L	ND	50	53.3	107	70-130	
2-Butanone (MEK)	ug/L	ND	100	102	102	70-130	
2-Chlorotoluene	ug/L	ND	50	50.0	100	70-130	
2-Hexanone	ug/L	ND	100	111	111	70-130	
4-Chlorotoluene	ug/L	ND	50	54.6	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	106	106	70-130	
Acetone	ug/L	ND	100	88.6	86	70-130	

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(828)254-7176



QUALITY CONTROL DATA

Project: Buncombe Co. MW-3R 7/29

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Date: 08/25/2014 03:55 PM

MATRIX SPIKE SAMPLE:	1258526		0 "				
Parameter	Units	92211465001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits Q	ualifiers
Benzene	ug/L	ND		56.2	112	58-162	uaiiiicis
Bromobenzene	ug/∟ ug/L	ND ND	50 50	56.2 54.0	108	70-130	
Bromochloromethane	-	ND ND	50 50	53.7	107	70-130 70-130	
Bromodichloromethane	ug/L ug/L	ND ND	50 50	59.2	118	70-130 70-130	
Bromoform	ug/L	ND ND	50 50	49.7	99	70-130 70-130	
Bromomethane	ug/L ug/L	ND ND	50 50	49.7 35.0	70	70-130 70-130	
Carbon tetrachloride	ug/∟ ug/L	ND ND	50 50	57.0	70 114	70-130 70-130	
Chlorobenzene	•	ND ND	50 50	57.0 54.0	108	70-130 70-138	
	ug/L	ND ND	50 50	34.0 34.6			
Chloroethane Chloroform	ug/L	ND ND	50 50	57.8	69 116	70-130 L0 70-130	
	ug/L	ND ND					
Chloromethane	ug/L	ND ND	50	39.8	80	70-130	
cis-1,2-Dichloroethene	ug/L	ND ND	50	57.8	116	70-130	
cis-1,3-Dichloropropene	ug/L		50	50.0	100	70-130	
Dibromochloromethane	ug/L	ND ND	50	56.5	113	70-130	
Dibromomethane	ug/L		50	56.5	113	70-130	
Dichlorodifluoromethane	ug/L	ND	50	64.8	130	70-130	
Diisopropyl ether	ug/L	ND	50	52.8	106	70-130	
Ethylbenzene	ug/L	ND	50	55.7	111	22-189	
Hexachloro-1,3-butadiene	ug/L	ND	50	72.0	144	70-130 M0	
Isopropylbenzene (Cumene)	ug/L	ND	50	59.8	120	70-130	
m&p-Xylene	ug/L	ND	100	111	111	32-193	
Methyl-tert-butyl ether	ug/L	ND	50	51.7	103	37-169	
Methylene Chloride	ug/L	ND	50	53.1	106	70-130	
n-Butylbenzene	ug/L	ND	50	64.7	129	70-130	
n-Propylbenzene	ug/L	ND	50	56.5	113	70-130	
Naphthalene	ug/L	ND	50	64.9	130	19-212	
o-Xylene	ug/L	ND	50	57.1	114	70-135	
p-Isopropyltoluene	ug/L	ND	50	60.8	122	70-130	
sec-Butylbenzene	ug/L	ND	50	59.6	119	70-130	
Styrene	ug/L	ND	50	58.6	117	70-130	
tert-Butyl Alcohol	ug/L	ND	500	747	149	70-130 M0	
tert-Butylbenzene	ug/L	ND	50	60.1	120	70-130	
Tetrachloroethene	ug/L	ND	50	59.6	119	70-130	
Toluene	ug/L	ND	50	53.9	108	65-152	
rans-1,2-Dichloroethene	ug/L	ND	50	57.9	116	70-130	
trans-1,3-Dichloropropene	ug/L	ND	50	47.9	96	70-130	
Trichloroethene	ug/L	ND	50	56.0	112	70-142	
Trichlorofluoromethane	ug/L	ND	50	53.5	107	70-130	
Vinyl acetate	ug/L	ND	100	114	114	70-130	
Vinyl chloride	ug/L	ND	50	51.9	104	70-130	
1,2-Dichloroethane-d4 (S)	%				93	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				98	70-130	

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Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

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SAMPLE DUPLICATE: 1258525						
Parameter	Units	92211410002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L		<1.7		30	
1,1,1-Trichloroethane	ug/L	ND	<1.9		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	<1.5		30	
1,1,2-Trichloroethane	ug/L	ND	<1.7		30	
1,1-Dichloroethane	ug/L	ND	<1.8		30	
1,1-Dichloroethene	ug/L	ND	<1.9		30	
1,1-Dichloropropene	ug/L	ND	<1.7		30	
1,2,3-Trichlorobenzene	ug/L	ND	<2.0		30	
1,2,3-Trichloropropane	ug/L	ND	<1.5		30	
1,2,4-Trichlorobenzene	ug/L	ND	<1.7		30	
1,2,4-Trimethylbenzene	ug/L	ND	<1.5		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	<1.7		30	
1,2-Dibromoethane (EDB)	ug/L	ND	<1.7		30	
1,2-Dichlorobenzene	ug/L	ND	<1.5		30	
1,2-Dichloroethane	ug/L	ND	<1.8		30	
1,2-Dichloroethene (Total)	ug/L	ND	<4.4		30	
1,2-Dichloropropane	ug/L	ND	<1.7		30	
1,3,5-Trimethylbenzene	ug/L	ND	<1.3		30	
1,3-Dichlorobenzene	ug/L	ND	<1.5		30	
1,3-Dichloropropane	ug/L	ND	<1.7		30	
1,4-Dichlorobenzene	ug/L	ND	<1.5		30	
2,2-Dichloropropane	ug/L	ND	<1.6		30	
2-Butanone (MEK)	ug/L	ND	<4.9		30	
2-Chlorotoluene	ug/L	ND	<1.5		30	
2-Hexanone	ug/L	ND	<3.8		30	
4-Chlorotoluene	ug/L	ND	<1.6		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	<3.6		30	
Acetone	ug/L	ND	<10.0		30	
Benzene	ug/L	ND	<1.7		30	
Bromobenzene	ug/L	ND	<1.5		30	
Bromochloromethane	ug/L	ND	<2.2		30	
Bromodichloromethane	ug/L	ND	<1.7		30	
Bromoform	ug/L	ND	<1.5		30	
Bromomethane	ug/L	ND	<2.5		30	
Carbon tetrachloride	ug/L	ND	<1.9		30	
Chlorobenzene	ug/L	ND	<1.7		30	
Chloroethane	ug/L	ND	<1.6		30	
Chloroform	ug/L	ND	<1.9		30	
Chloromethane	ug/L	ND	<1.5		30	
cis-1,2-Dichloroethene	ug/L	ND	<1.8		30	
cis-1,3-Dichloropropene	ug/L	ND	<1.6		30	
Dibromochloromethane	ug/L	ND	<1.8		30	
Dibromomethane	ug/L	ND	<2.0		30	
Dichlorodifluoromethane	ug/L	ND	<1.6		30	
Diisopropyl ether	ug/L	ND	<1.7		30	
Ethylbenzene	ug/L	ND	<1.6		30	
Hexachloro-1,3-butadiene	ug/L	ND	<1.8		30	

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Project: Buncombe Co. MW-3R 7/29

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SAMPLE DUPLICATE: 1258525	5	92211410002	Dun		Max	
Parameter	Units	Result	Dup Result	RPD	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L		<1.6		30	
m&p-Xylene	ug/L	ND	<3.1		30	
Methyl-tert-butyl ether	ug/L	ND	<1.7		30	
Methylene Chloride	ug/L	ND	<1.9		30	
n-Butylbenzene	ug/L	ND	<1.9		30	
n-Propylbenzene	ug/L	ND	<1.5		30	
Naphthalene	ug/L	ND	<2.0		30	
o-Xylene	ug/L	ND	<1.6		30	
p-Isopropyltoluene	ug/L	ND	<1.6		30	
sec-Butylbenzene	ug/L	ND	<1.7		30	
Styrene	ug/L	ND	<1.6		30	
tert-Butyl Alcohol	ug/L	ND	<57.7		30	
tert-Butylbenzene	ug/L	ND	<1.6		30	
Tetrachloroethene	ug/L	ND	<1.8		30	
Toluene	ug/L	ND	<1.6		30	
trans-1,2-Dichloroethene	ug/L	ND	<1.8		30	
trans-1,3-Dichloropropene	ug/L	ND	<1.6		30	
Trichloroethene	ug/L	ND	<1.8		30	
Trichlorofluoromethane	ug/L	ND	<1.7		30	
Vinyl acetate	ug/L	ND	<2.3		30	
Vinyl chloride	ug/L	ND	<1.5		30	
1,2-Dichloroethane-d4 (S)	%	94	98	5		
4-Bromofluorobenzene (S)	%	102	100	2		
Toluene-d8 (S)	%	97	97	0		

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QUALIFIERS

Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville
PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

Date: 08/25/2014 03:55 PM

LO Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.





QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buncombe Co. MW-3R 7/29

Pace Project No.: 92211157

Date: 08/25/2014 03:55 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92211157001	MW-3R	EPA 3010	MPRP/16564	EPA 6010	ICP/14958
92211157001 92211157002	MW-3R TRIP BLANK	EPA 8260 EPA 8260	MSV/28023 MSV/28023		
92211157002	TRIP BLANK	EPA 8260	MSV/27840		



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

	7		in addition to data	1	6, 16	ADDITIONAL COMMENTS	12	10	9	8	7	6	5	4	3	2	1 MW-3R	Section D Matrix Coo Required Client Information Required Client Information Drinking Water Vater Waste Water Vaste Water Vaste Water Froduct Soil/Soild Oil (A-Z, 0-9/,) Air Sample IDs MUST BE UNIQUE Tissue Other		Requested Due Date/TAT: らfAかりなわり	Phone: 325-356 Fax: 919 325-356		Soite 300 Paleinh NC 2111	Address: 5460 Glenwood Ave	Company: CAM SMILL	Section A Required Client Information:
SIGNATU	PRINT Na	SAMPLER NAME AND SIGNATURE		1. Car / Josephy		RELINQUISHER I AFFILIATION											10 July 1	MATRIX / CODE MATRIX / COMPOSITE COMPOSITE COMPOSITE COMPOSITE COMPOSITE END/GRAB MATRIX CODE MATR		Project Number:	<u> </u>		41112	Сору То:	Report To: Mathew Clone	Section B Required Project Information:
14 FW	PRINT Name of SAMPLER:	AND SIGNATURE		1/0/14 (150		DATE TIME , ACCEPTED BY / AFFILIATION											1000 N 4 N 2001	SAMPLE TEMP AT COLLECTION # OF CONTAINERS Unpreserved H ₂ SO ₄ HNO ₃ HCI NaOH Na ₂ S ₂ O ₃ Methanol Other I Analysis Test I NLAPF I Noc NCAPF I Metals	Reques	Pace Profile #:		Pace Quote Reference:			Attention: Mathew Colons	Section C Invoice Information:
Temple Rece Ice	ived (Y/N stody d Co (/N)	on) / oler		7/7/7 1/5 0/1/2	263/13 A 14 Y	ON DATE TIME SAMPLE CONDITIONS											000	Residual Chlorine (Y/N) Pace Project No./ Lab I.D.	Requested Analysis Filtered (Y/N)	STATE: NC	Site Location	T UST T RCRA K OTHER N. SW	NPDES I GROUND WATER PARINKING WATER	REGULATORY AGENCY	1843764	Page: of age 2

F-ALL-Q-020rev.07, 15-May-2007



Document Name: Sample Condition Upon Receipt (SCUR)

Document No.: F-ASV-CS-003-rev.14 Document Revised: June 10, 2014
Page 1 of 2
Issuing Authorities:

Pace Asheville Quality Office

Client Name: CDM Sa.th

Courier (Circle): Fed Ex UPS USPS	(elient)	Co	mmercial	Poss	Othe	
Custody Seal on Cooler/Box Present: yes			s intact:	Pace yes		
Packing Material:Bubble WrapBubble		None [· ·	<u>ال</u> ـــا	
Thermometer Used: IR Gun#3 -130265963	Type of Ice		J .	None	-	Samples on ice cooling present has become
IR Gun #4 SN:140290365 Other:	-	مريخ .	A DIGC	None		Samples on ice, cooling process has begun
Temp Correction Factor: Add / Subtract _ &.	(-	
Corrected Cooler Temp.: C	Biological	Tissu	e is Froze	n: Yes No	N/A	Date and Initials of person examining contents:
Temp should be above freezing to 6°C			Comme	nts:	L	contents.
Chain of Custody Present:	☑Yes □No		1.	· · · · · · · · · · · · · · · · · · ·		
Chain of Custody Filled Out:	ØYes □No		2.			
Chain of Custody Relinquished:	ØYes □No		3.			
Sampler Name & Signature on COC:	ØYes □No	□N/A	4.			
Samples Arrived within Hold Time:	⊠Yes □No	□n/a	5.			
Short Hold Time Analysis (<72hr):	□Yes ☑No	□N/A	6.			
Rush Turn Around Time Requested:	□Yes ☑No	□n/a	7.			
Sufficient Volume:	□Yes □No	□n/a	8.	·····		
Correct Containers Used:	□Yes □No	□n/a	9.			
-Pace Containers Used:	√DYes □No	□n/a				
Containers Intact:	☐Yes ☐No	□n/a	10.			
Filtered volume received for Dissolved tests	□Yes □No	ØN/A	11.			
Sample Labels match COC:	ØYes □No	□n/a	12.			
-Includes date/time/ID/Analysis Matrix:	LIT					
All containers needing preservation have been checked.	√☐Yes □No	□n/a	13.			
All containers needing preservation are found to be in compliance with EPA recommendation.	⊠Yes □No	□n/a				
exceptions, VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes □No					
Samples checked for dechlorination:	□Yes □No	□N/A	14.			
Headspace in VOA Vials (>6mm):	∠⊠Ýes □No	□N/A	15.			
Trip Blank Present:	□Yes □No	□ N/A	16.			
Trip Blank Custody Seals Present	□Yes □No	□N/A				
Pace Trip Blank Lot # (if purchased):						
Client Notification/ Resolution:						
Person Contacted:		Date/1	Time a .		FI	ield Data Required? Y / N
Comments/ Resolution:		. Date/ i	iiiie:			
Commonward Noodialon.	***************************************					
SCURF Review: Date:	8/114			• • •		
SRF Review: Date:	111			MOH:		32211157 -
Note: Whenever there is a discrepancy affecting	North Caroli	l na				
compliance samples, a copy of this form will be s	ent to the No	rth				
Carolina DEHNR Certification Office (i.e out of		ct		922111	57	Control of the Contro